To create and produce

To design and implement

To manage and develop

SEN SYS
ENGINEERING CENTER

ABOUT THE PROJECT

PROJECT EDUCATION INDUSTRY (EDIN PROJECT)
was created for the implementation of modular vocational training of technical specialists in the field of transport technologies, available to educational institutions
regardless of their geographical location, material resources and level of training of students.

Development of E-learning

Production

Training

Business

Labour

Project mission

- Structuring and developing the educational content, to improve the quality of training, providing an opportunity for effective and high-quality performance of diagnostics technologies, maintenance and repair, equipment, tools and materials application

Project objective

- To organize a single space of interaction between a manufacturer, an educational institution and business;
- Expand and provide opportunities for continuous development and updating of educational base;
- To improve the quality of service by improving the efficiency of equipment and technology;
- To provide systematic professional training and development of students, beginners and experienced professionals.

ABOUT THE PROJECT

Relevance of the project

- Low qualification and lack of motivation for the development of specialists leads to low labour efficiency and premature wearing of equipment, which in turn reduces the financial position of the business;
- The rapid pace of development of technologies, standards and equipment requires constant updating of the training base. In turn, the financial condition of educational institutions and dependence on the state budget hinders the process of development and improvement of the base and, as a consequence, leads to the reduction of effectiveness of training;
- Weak automation of business processes and constant distraction of the owner/head of the business from solving the main tasks, hinders financial development of the enterprise and, as a result, reduces its purchasing power.

Problem solutions

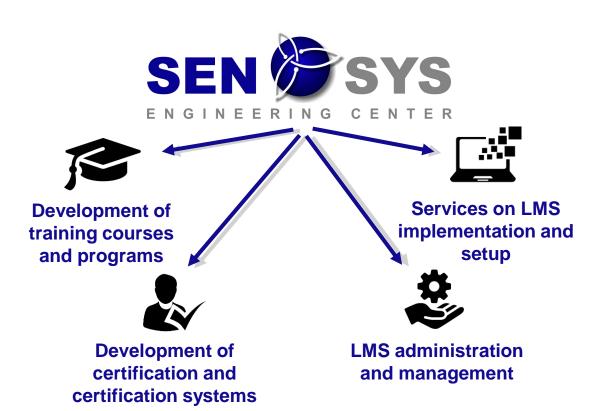To create a virtual knowledge sharing space that allows:
- ✓ the manufacturers promptly to provide educational content and review modules about their products and technologies, reduce distortion of information through direct interaction with the educational system and receive prompt and high-quality feedback on the effectiveness of the application of their product;
- ✓ educational institutions to expand and actualize educational and material base, manage and control the training process, and most importantly – build an individual approach to students;
- ✓ business owners/managers to participate in the process of training and education, thereby to obtain qualified specialists who ready to perform different tasks of their company.

Project
participants

PROJECT COORDINATOR

THE INTERNATIONAL ENGINEERING CENTER SENSYS
is engaged in the professional development of technical E-learning courses, trainings and programs of certification and personnel certification of for learning management systems (LMS – Learning Management System)

SEN SYS
ENGINEERING CENTER

Development of training courses and programs

Development of certification and certification systems

Services on LMS implementation and setup

LMS administration and management

Our mission

- Structuring and developing knowledge in intelligent systems, to improve the quality of service, providing the opportunity to implement electronic control systems in all spheres of life

Our goals

- To feel the dynamic development of the education market and transport technologies, listening carefully and delving into the needs of customers;
- To organise quality preparation and further development of highly qualified service and technical personnel;
- To motivate specialists to achieve high results and provide an opportunity for self-development and self-affirmation.

PROJECT PARTICIPANTS

MANUFACTURER

A company manufacturer, technology developer, supplier, which directly manufactures products, goods or services.

TRAINING CENTER

Public or commercial educational institution, implementing training of specialists in the field of transport technologies.

COMPANY

State or commercial organizations that carry out maintenance and repair of transport and consume goods and services.

Project implementation methods

SEN SYS
ENGINEERING CENTER

THE CHOICE OF MAIN DEVELOPMENT ENVIRONMENT TRAINING CONTENT AND LEARNING MANAGEMENT

LEARNING MANAGEMENT SYSTEM (LMS) is a software application (development environment) for the administration of training courses within the framework of interaction between teachers and students at a distance, reflecting all the components inherent in the educational process (goals, content, methods, organizational forms, learning tools) and implemented by specific means of Internet technologies or other means providing interactivity.

Tasks to be solved by LMS:

- Full automation of the process of learning of contents, regulations, instructions, guidance documents, etc. by personnel/students;
- Minimum disengagement from production, studying in the convenient for personnel/students time and place;
- Systematisation of certification and self-check, motivation and stimulation of personnel/students for further development;
- Full management and control of training, cut of time expenditures and the ability to train remotely;
- Rapid adjustment and introduction of additions, ease of content supplement and constantly updated knowledge base.

LMS ELECTUDE

The world's leading solution in the field of training of ELECTUDE automotive technicians and engineers was chosen as the development environment and learning management system.

The grounds for LMS ELECTUDE selection

- In the system there is already present very full description of physical laws, mechanics, electrical engineering, circuitry engineering, electronics, electronic control systems etc.;
- The best visualization and smart interactive action construction, administration simplicity and work with educational content, visual demonstration of the material;
- Description of the application technology of equipment and tools, demonstration of systems and components on the example of automotive technology, the possibility of using ready-made graphics solutions;
- Direct feedback from the LMS developer, which in turn speeds up the process of technical support, and the presence of a representative in the CIS countries allows one to quickly improve the training system;
- Quick adjustment and additions introduction, constantly updating knowledge base, systematic addition of new modules, technologies and training materials.
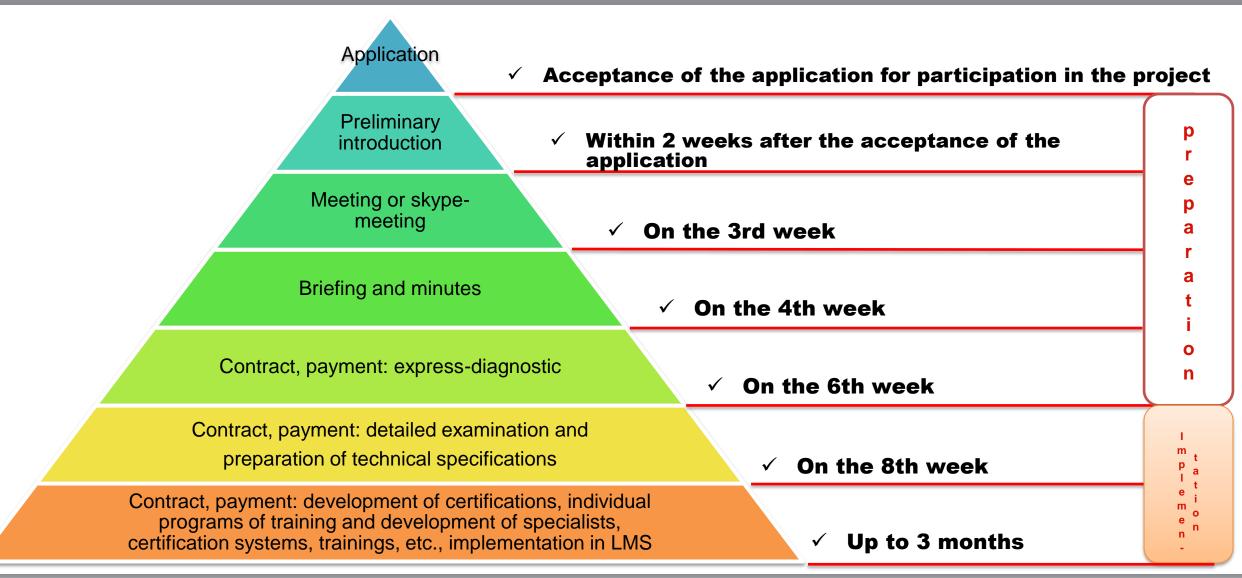
ADVANTAGES OF ELECTUDE APPLIANCE

INTERACTIVITY AGAINST PASSIVITY

A TRAINING SYSTEM BECOMES **MANAGEABLE** AND **SYSTEMATIC**, ELIMINATING A HUMAN FACTOR, THAT CAN DO HARM TO **THE QUALITY OF TRAINING**

A BRIDGE BETWEEN THEORY AND PRACTICE

A STUDENT DOES NOT JUST STUDY THE MATERIAL, BUT ALSO **INTERACTS** WITH THE SYSTEM, PERFORMS TASKS IN **VIRTUAL ENVIRONMENT**

PROGRESS IN REAL TIME

IN THE PROCESS OF ACQUIRING **KNOWLEDGE**, NECESSARY **SKILLS** ARE OBTAINED THAT LATER HELPS EASILY TO GENERATE PRACTICAL **SKILLS**

PROJECT EXECUTION

SEN SYS
ENGINEERING CENTER

STAGES OF E-LEARNING INTRODUCTION

Application

✓ **Acceptance of the application for participation in the project**

Preliminary introduction

✓ **Within 2 weeks after the acceptance of the application**

Meeting or skype-meeting

✓ **On the 3rd week**

Briefing and minutes

✓ **On the 4th week**

Contract, payment: express-diagnostic

✓ **On the 6th week**

Contract, payment: detailed examination and preparation of technical specifications

✓ **On the 8th week**

Contract, payment: development of certifications, individual programs of training and development of specialists, certification systems, trainings, etc., implementation in LMS

✓ **Up to 3 months**

preparation

Implementation

PROJECT FINANCING

FINANCIAL COST OF THE MANUFACTURER

FROM 300 €

Express diagnostics (preliminary audit) and evaluation of the development of educational content, as well as evaluation of video, photo and text materials.

FROM 480 €

Development of technical specifications for the development of educational content: goals, objectives, curriculum, hour-long meeting, as well as visualization and interactive action.

FROM 480 €

Development of a training, a review module, a training course, certification or performance assessment system and further integration into LMS.

FINANCIAL COST OF THE EDUCATIONAL INSTITUTION

2360 € / YEAR

Оборудование компьютерного класса системой управления обучением LMS ELECTUDE на 15 учебных мест с доступом к автомобильным технологиям.

FROM 300 €

Setting up and branding of LMS account, opening an access for an institution with different levels of teachers' rights and structuring of study groups.

FROM 120 €

Basic training in LMS administration, creation of training modules, as well as training and certification management.

QUANTITATIVE AND QUALITATIVE INDICATORS OF THE PROJECT

QUANTITATIVE INDICATORS OF THE PROJECT

AUTOMATION OF THE LEARNING PROCESS AND ACQUISITION OF KNOWLEDGE BY STUDENTS FREES UP OVER 30 THOUSAND MINUTES OF THE TEACHERS' TIME, WHICH THEY CAN SPEND ON SELF-DEVELOPMENT AND SCIENTIFIC ACTIVITIES. AND THE EDUCATIONAL CONTENTS FROM THE MANUFACTURER ALLOWS YOU TO MORE EFFECTIVELY DEVELOP AND TRAIN.

OVER 500 000
OF STUDENTS ANNUALLY

OVER 100 000 €
OF MONETARY MEANS

EVERY YEAR IN THE CIS COUNTRIES IN THE SPECIALIZED INSTITUTIONS ENTER MORE THAN HALF A MILLION YOUNG PEOPLE WHO ARE SUBSEQUENTLY EMPLOYED IN VARIOUS COMPANIES. AN ORGANIZED PROCESS OF MONITORING AND DIRECT INTERACTION WITH THE EMPLOYER ALLOWS YOU TO ENSURE THE QUICKEST POSSIBLE INPUT

MORE THAN 32 500
MINUTES OF A TEACHER'S TIME

TO VISIT EACH OF THE EDUCATIONAL INSTITUTIONS ONLY IN RUSSIA, ONE REPRESENTATIVE OF THE MANUFACTURER REQUIRES MORE THAN 100 THOUSAND EUROS PER YEAR. THE USE OF A SINGLE PLATFORM FOR STORING LEARNING CONTENTS ALLOWS YOU TO INSTANTLY DISTRIBUTE NEW CONTENT TO ALL INTERESTED EDUCATIONAL INSTITUTIONS IN THE CIS HEREWITH CONTROL THE STUDY OF MATERIAL.

QUALITATIVE INDICATORS OF THE PROJECT

✓ The project helps to eliminates problems with understanding of textbook material, manages critical thinking and problem-solving skills

✓ In a convenient form teaches and motivates students, visually demonstrates the internal work of components and mechanisms, schemes and equipment

✓ Preparation for lessons takes place at a convenient time (in the computer class, at home or on the go), contains the latest achievements of automotive technology, includes hundreds of modules to choose from

✓ Allows you to carry out virtual training before practice, manage and control the learning process throughout the time of use

✓ Eliminates the possibility for students to skip the training material, displays the progress of modules and courses

✓ Provides an ability to build individual work with students or to give a personal assignment for them

✓ Allows you to create any course or module, supply and quickly change the content, as well as simulate any technical and non-technical situation

✓ Significantly saves money on the creation and improvement of educational and material base, which is easily supplemented and is accessible to every student

I will be happy to answer
all your questions!

Andrei Brakorenko

CEO SENSYS Engineering

a.brakorenko@pro-sensys.com
The Russian Federation: +7(495) 108-7-607
The Republic of Belarus: +375(29)2-322-811
www.pro-sensys.com

SEN SYS
ENGINEERING CENTER